May 5, 2019

Cheap, that is ultraffordable new medicines:
Find the cheapest 100 drugs and make a list, I actually think I remember some drug described at wikipedia was 1 cent a dose, then come up with chemical variants; screen them as a library, possibly on c elegans automated multi-well plates to see if they do anything. Encouraging of this is that antipsychotics and some SSRIs started at antihistamine molecule variations.

Salicylate drugs cause greater longevity at some species, and aspirin is les than 1 cent a pill. Possibly a stomach harmless variant could be salicylate moiety attached to something that pops off when a P450 enzyme, or some other liver enzyme

converts it. Or even just possibly a lipid salicylate that get emulsified and absorbed at the small intestine, after the gallbladder.

Vitamins are 99+1c a container, so it has been previously described but halogenated vitamins could be screened as to drug effects. Halogenated B vitamins might be nootropics, as B vitamins have varied published effects as congition enhancing. Vitamin D is published as being beneficial at many things, so halogenated vitamin D could be screened as to possible benefit.

I read that some pharmaceutical companies might screen 10k molecular variants to find active ones resulting in an approved drug, there is the possibility then that describing a region of possible molecules where

more than 10,000 variants are easy to make could be statistically likely to produce a useful drug. Halogenating all of the GRAS chemicals, like food and topical and other materials/chemicals could make a screenable library of much more than 10,000 molecules, possibly producing a few new usable drugs.

Perhaps some other 1 cent drugs are the active ingredients at dollar store pharmaceuticals; halogenating these might make them more powerful, or possibly do new things. What does lidocaine chlorinated or fluorinated do?

I do not know if it is accurate but I might have read that procaine ("Procaine tablets are available as the anesthetic novocain") is a youthifying possibly longevity drug. "Procaine's

anti-aging benefits include increased nerve velocities, improved sense of well-being and increased potential lifespan. A 1965 study by Drs. Abrams and Gordon reported that elderly people treated with procaine containing benzoic acid increased their mental state, nerve velocity and rate of excretion of 17-ketosteroids. A 1965 study conducted by Dr. Anna Aslan studied procaine's effect on rats. Treated animals scored higher on electrocardiograms, ability to learn mazes and cell pathology than untreated rats and treated male rats lived 20% longer."

However, "[ON THE LACK OF EFFECT OF THE ADMINISTRATION OF PROCAINE, SULFADIAZINE, P-AMINOBENZOIC ACID AND OXIDIZED P-AMINOBENZOIC ACID ON THE SURVIVAL OF FEMALE MICE]." does not

have an abstract but suggests no effect.

Procaine’s longevity effect could be non-CNS or CNS, **if it is CNS, then it might complement deprenyl’s possibly CNS based longevity effect**; I perceive these drugs work very differently.

Procaine that has chlorphenoxy group added to it might reach the brain even better (passes blood brain barrier) than procaine; that could be used to see if procaine’s logevity effect is CNS based compared with body side; similarly putting some hydroxyls on procaine might keep it out of the CNS, if the longevity is still there that suggests body side longevity effect. Human tissue culture cytohealth as well as number of replications could also be measured with procain to see

if it has beneficial effects.

So as 1 cent a dose drugs, the dollar store *caines like lidocaine could be tested for longevity wellness effects as well as screenable library of their molecular variants, perhaps some of them halogenated, perhaps some structurally modfied to have longer plasma half life, giving one dose a day; it is imaginable that smooth plasma curve assist with longevity/wellness effects.

Phenylethylamine is 11.9 cents a gram on ebay, and a 100 mg dose likely has perceptible stimulant effects. PEA variants could be very cheap new drugs. PEA palmitate at low doses might work for many hours, or perhaps days, possibly improving mood, although the 900 mg dose of PEA has a: day after PEA “wanness”

effect. Also, chlorophenoxy PEA (maybe using the phenyl that is already on PEA) might reach the brain at much less mass at a dose, possibly reducing body side effects like higher blood pressure.

.5b
Body wellness and youthful body responsiveness promoting nootropic: **Nerves bring information to the brain about the body from the body** (parasympathetic, autonomic nervous systems); nootropics, as well as other drugs or chemicals that are neuron function improvers, that **cause the body to have youhful levels of to-the-brain feedback from the body could assist and youthify the from providing better data to the brain**, which then causes the brain to give better directions that the

parasympathetic and possibly autonomic then utilize. So: youthful levels of both directions of body and brain communications or feedback.

As molecular variants on chemicals that improve communications to the brain from the body with nerves or neurons, putting hydroxyls and polyglycines on a bunch of published as efffective CNS nootropics could be screened as to better body to brain communication. Perhaps there are research chemicals that temporarily decrease body to brain nerve communication, the polyglycine or hydroxylated (body side concentrating) versions of nootropics could be seen as to if they overcome these temporary body side nerve to brain decreasers

The hydroxyls or polyglycines could

possibly keep these things, that would be brain side nootropics on the body side, possibly permitting higher does without nonoptimal mental effects (the person can take a beneficial brain reaching nootropic separately for better cognition) Some CNS nootropics work really well, some have some agitation or the hyper rational effect that, at me, phenylpiracetam causes.

Procaine that has chlorphenoxy on it might reach the brain even better (passes blood barin barrier) than procain; that could be used to see if procain's logevity effect is CNS based compared with body side; similarly putting some hydroxyls on procain might keep it out of the CNS, if the longevity is still there that suggests body side longevity effect. Human tissue culture cytohealth as well as number of replications could also be

measured with procain to see if it has beneficial effects.

Some drugs are metabolized at plasma;

I think I read that blood turns paler and milkier when people eat fats because eentsy lipid blobs pass the GI tract membranes putting the eentsy lipid blobs into the bloodstream; I feel doubt, because they likely just get metabolized quickly, but perhpas palmitate drugs, that if injected, could last months, could have an oral eentsy blob formulation.

b12 palmitate; absent data if oral palmitates actually accumulate at the body, if they do a a B12 palmitate could be a ocassional, imaginably annual, or monthly beverage that benefits humans, that is people.

halogenated meformin; the halogen atom at different locations might cause either more skinniness activity or more longevity activity, although it is possible these caoul be simulataneous. If its fluorine atom it might be 100 to 1000 times more active at a dosage mass, so 2 to 20 mg as a longevity skininess pill.

It is possible that a fluorine atom on phenibut, at a variety of possible places, could make it 100 to 1000 times more active at a dose mass, producing an anxiolytic drug that reduces harm from ischemia at 2-3 - 20 30 mg per dose.

Does having a drug be OTC make it cheaper? It seems like it, so drugs that are prescription at some 20th centuray AD countries might be OTC

at other countries, making them cheaper,

It is previouslywritten, but shoes and/or socks havemildly moist skin contact and could be used to deliver drugs. Perhaps this is sometimes better than oral delivery and easier than nasal delivery. foot-between-toe areas might have anti-malaria drugs placed on them as a liquid and avoid digestion yet still be absorbed. Kind of perplexing why this would be better than underarm transdermal drug delivery though.

“Minute mutations that reduce the efficiency of protein synthesis and extend developmental time allow Beadex -related cell death to be compensated for by additional cell replacement or increased cell

lifespan.” reminds me of deacetylation as well as more histones gradualizing transcription and protein synthesis.

LUMO and HOMO graphics of molecules remind me that electron distributions sometimes look like oblate droplets; if you wanted to pack oblate droplets so they had flat sides like corn, could you place the probability of: a proton quantum tunneling near them; The likely possibility of a proton being near the

LUMO/HOMO orbitals might change their shape. Perhaps protons quantum tunnel easier through very thin barriers like monolayer graphene.

Could some chemical reactions go differently if there were (adjacent to proton tunneling probability effects) squared corners on LUMO/HOMO electrons? Square corners on orbitals might cause steep, more discete reactions and bonds, possibly making catalysts more precise or possibly more active or active on different things.

At LUMO of graphene there are kind of ladle shaped orbital graphics; could you make an actual ladle, with a dish of spoon, where the empty part of the spoon has some sort of collecting effect, or a: high electron-density sides of the ladle bowl effect: keeps

stuff from spilling out, rather than just a neutral effect; like would an equiattracted positron want to occupy the bowl of the ladle? A proton would be too big and would change all the LUMO blobs. It won't work, but electron LUMO/HOMO ladles could be imagined as being a physical matter form capable of holding an unreacted positron; so that would be a form of matter you could store antimatter (positrons) in.

Sometime I use the phrase "wide ranging mind" to entertain, that is omit rejecting, thoughts that I do not think will actually work but have some attractive, nifty, fun, gee-whiz thing going on with them. Positron containing ladles is a wide ranging mind, likely wouldn't work thing.